TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Docket No. (Under 37 CFR 1.97(b) or 1.97(c)) HOI-14402/16 In Re Application Of: Sorensen et al. Application No. Filing Date Examiner Customer No. Group Art Unit Confirmation No. 10/563,976 1/9/2006 25006 Unknown Unknown 5610 **QUE**DING MEMBER TOWARDS PNEUMOCOCCUS SURFACE ADHESIN A PROTEIN (PsaA) Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 37 CFR 1.97(b) The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. 37 CFR 1.97(c) 2. \Box The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: ☐ the statement specified in 37 CFR 1.97(e); OR □ the fee set forth in 37 CFR 1.17(p).

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		ALEXANDER, "Immunine serotypes of Strep							at least
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EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		BERRY et al., "Contr p. 2324-2330, Vol 57, I	ibution of Autolysin t No. 8	to Virule	ence of Streptococcus pne	umoniae'', Inf	fection and Imm	unity, Aug	zust 1989,
	+	BRILES et al., "Mous	Antihody to Phospi	hocholin	Can Protect Mice from	Infection with	- Mouse-Viruler	ot Human	Isolates
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DE, B.K. et al., "Baculovirus Expression, Purification and Evaluation of Recombinant Pneumococcal Surface Adhesin A of

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Streptococcus pneumoniae, Pathobiology, 1999;67:115-122.

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		Conjugate vaccines , ii	nection and minit	anny, out y	1993, p. 2700-2713, voi	. 03, 110. 7.			
	+	LEE et al., "Immunolog	cic Epitope, Gene,	and Imm	unity Involved in Pneum	ococcal Glyco	conjugate", Crit	ical Revie	ws in
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		McDANIEL et al., "Psp Pneumococci of More T	A, a Surface Protei han One Capsular	in of Streptocococcus pneumoni Type", Infection and Immunity	ae, Is Capable o	f Eliciting Prote	ction agai	nst
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		SAMPSON et al., "Lim	ited Diversity of Stre	eptococcus pneumoniae psaA am 1971, Vol. 65, No. 5.	moung Pneumor	coccal Vaccine f	Serotypes'	(t
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		SZU et al., "Rabbit Antii Lethal Challenge with E	podies to the Cell Wincapsulated Pneumo	Vall Polysaccharide of Streptoc ococci'', Infection and Immunit	ty, No. 1986, p. 4	ae Fail to Prote 48-455, Vol. 54	ct Mice fr , No. 2.	om	
		SWIATLO, et al., "DNA Penicillin-Resistant Pneu	Polymorphisms and imococci in Western	d Variant Penicillin-Binding Pi n Canada Are Clonally Related	roteins as Eviden ''', J.Infect.Dis. 1	rce that Relativ 74:884-888.	ely		
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			OTHER DO			ertinent Pages, Et	•	
		SORENSEN et al., "Cro Journal of Clinical Mice	oss-Reactions between obiology, Oct. 1987	en Pneumococci and Other Stre 7, p. 1854-1859.	ptococci Due to	C Polysacchar	ide and F	Antigen'',
		TAI et al., "Characteriz p. 1083-1087, Vol. 65, N	cation of Hemin Bin o. 3.	ding Activity of Streptococcus p	neumoniae'', Ir	fection and Im	munity, Ma	ar. 1997,
EXAMINE	R			DATE CONSIDERED				
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		Filing Date	Group Art Unit					
		1/9/2006	Unknown					
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
INTO	TALKINGTON et al., "A 43-Kilodalton Pneumococcal Surface Protein, PspA: Isolation, Protective Abilities, and Structural Analysis of the Amino-Terminal Sequence", Infection and Immunity, April 1991, p. 1285-1289, Vol. 59, No. 4.							
	TALKINGTON et al., "Protection of mice against adhesin A (PsaA), Microbial Pathogenesis 1996; 2	fatal pneumococcal challenge by im 1: 17-22.	munization with pneumococcal surface					
	THARPE et al., "Purification and Seroreactivity of Laboratory Immunology, Mar. 1996, p. 227-229, N	of Pneumococcal Surface Adhesin A Vol. 3, No. 2.	(PsaA)", Clinical and Diagnostic					
	SIMELL, et al., "Pneumococcal Carriage and Otic Pneumolysin, and Pneumococcal Surface Protein A	tis Media Induce Salivary Antibodie A in Children'', Journal of Infectious	to Pneumococcal Surface Adhesin A, Diseases, 2001: 183:887-96.					
	RAPOLA, et al., "Natural Development of Antiboand Pneumolysin in Relation to Pneumococcal Car 182:1146-52.	dies to Pneumococcal Surface Protei rriage and Acute Otitis Media'', The	n A, Pneumococcal Surface Adhesin A, Journal of Infectious Diseases 2000:					
	SAMPSON et al., "Immunologic Characterization Surface Adhesin A (PsaA) Protein", Abstracts of t	of a Monoclonal Antibody to Strept he General Meeting of the American	ococcus pneumoniae Pneumococcal Society for Microbiology 99:273.					
	RUSSELL et al., "Monoclonal Antibody Recogniz Clinical Microbiology, Oct. 1990, p. 2191-2195, Vo	ing a Species-Specific Protein from Sol. 28, No. 10.	Streptococcus pneumoniae", Journal of					
	SRIVASTAVA et al., "Selection of an Immunogen	ic and Protective Epitope of the Psa	A Protein of Streptococcus pneumoniae					
	Using a Phage Display Library", Hybridoma, Volu	ume 19, Number 1, 2000.						
	PILISHVILI et al., "Neutralization of Attachment PsaA and Anti-PsaA and Anti-bodies", Abstracts of	of Streptococcus pneumoniae to Hu of the General Meeting of the Americ	man Epithelial Cells by Recombinant can Society for Microbiology 101:346.					
	VAN DER POL et al., "Pneumococcal Capsular Povia FcalphaRI (CD89)", Journal of Infectious Dise	olysaccharide-Specifc IgA Triggers I ases, 2000; 182:1139-45.	Efficient Neutrophil Effector Functions					
EXAMINER		DATE CONSIDERED						
*EXAMINER: Initia not considered. Incl	al if citation considered, whether or not citation is in conformated ude copy of this form with next communication to applicant.	ance with MPEP Section 609; Draw line	through citation if not in conformance and					